

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P189510

Luminaire Tested: **BRG-WS-3L35-LD2-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34939)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WS-3L35-LD2-UNV-22-STD
Description: BRIDGE 2x2 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE LIGHT LEVEL 3 (628 mA)
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

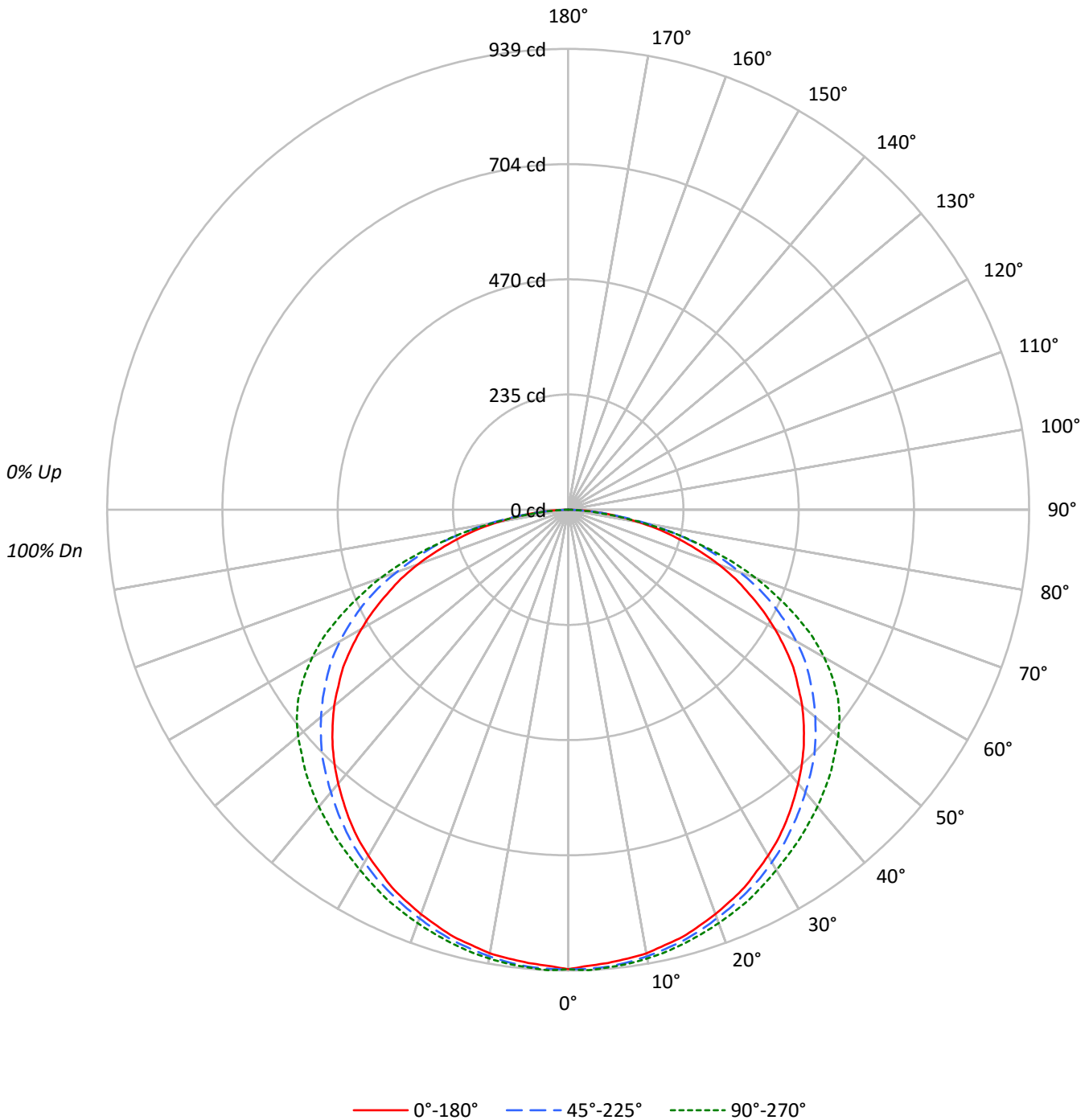
Lumens per Lamp: N/A
Luminaire Lumens: 3138.8 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.36 / 1.47
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 28.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	98	94	105	100	96	92	96	93	89	92	89	87	89	86	84	82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	68	61	86	75	67	61	72	65	60	70	64	59	67	62	58	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	49	47
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	41	37	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	35	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27
9	54	40	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	28	24	35	28	23	34	28	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2998	2998	2998
5°	2980	3005	3010
10°	2985	3005	3020
15°	2988	3013	3033
20°	2988	3020	3056
25°	3001	3039	3093
30°	3011	3068	3135
35°	3029	3100	3207
40°	3047	3143	3302
45°	3073	3212	3426
50°	3100	3274	3578
55°	3124	3354	3746
60°	3115	3438	3858
65°	3086	3501	3883
70°	3055	3484	3813
75°	2925	3434	3491
80°	2672	2980	2812
85°	2186	2128	1848



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	2.8
10°-20°	256.5	8.2
20°-30°	397.2	12.7
30°-40°	498.0	15.9
40°-50°	549.9	17.5
50°-60°	542.0	17.3
60°-70°	454.6	14.5
70°-80°	281.5	9.0
80°-90°	70.4	2.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	742.5	23.7
0°-40°	1240.6	39.5
0°-60°	2332.4	74.3
0°-90°	3138.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3138.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	936	936	936	936	936	
5°	927	930	935	936	936	88
15°	901	903	909	913	915	254
25°	849	851	860	871	875	391
35°	775	778	793	811	820	485
45°	679	685	709	738	756	524
55°	560	567	601	645	671	498
65°	407	427	462	497	512	404
75°	236	261	278	278	282	250
85°	60	67	58	50	50	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	936.3	936.3	936.3	936.3	936.3
2.5°	930.2	933.2	936.3	939.3	939.3
5°	927.1	930.2	934.8	936.3	936.3
7.5°	922.6	925.6	930.2	931.7	933.2
10°	918.0	919.5	924.1	927.1	928.7
12.5°	908.8	911.9	916.5	921.0	922.6
15°	901.2	902.7	908.8	913.4	914.9
17.5°	889.0	892.1	898.2	904.3	905.8
20°	876.8	878.3	886.0	893.6	896.6
22.5°	863.1	866.2	873.8	882.9	886.0
25°	849.4	850.9	860.1	870.7	875.3
27.5°	831.1	835.7	846.3	855.5	861.6
30°	814.3	817.4	829.6	841.8	847.9
32.5°	796.0	799.1	812.8	828.0	834.1
35°	774.7	777.7	793.0	811.3	820.4
37.5°	751.8	756.4	773.1	794.5	805.2
40°	728.9	733.5	751.8	777.7	789.9
42.5°	704.5	709.1	730.4	759.4	773.1
45°	678.6	684.7	709.1	738.1	756.4
47.5°	651.1	658.8	683.2	719.8	736.5
50°	622.2	628.3	657.2	696.9	718.2
52.5°	590.1	599.3	629.8	674.0	696.9
55°	559.6	567.3	600.8	645.0	671.0
57.5°	523.0	535.2	571.8	614.5	638.9
60°	486.4	500.2	536.8	579.5	602.3
62.5°	448.3	465.1	500.2	541.3	561.2
65°	407.2	427.0	462.0	497.1	512.4
67.5°	369.0	387.3	419.4	446.8	459.0
70°	326.3	346.2	372.1	395.0	407.2
72.5°	280.6	305.0	324.8	337.0	347.7
75°	236.4	260.8	277.5	277.5	282.1
77.5°	193.7	212.0	221.1	218.1	221.1
80°	144.9	163.2	161.6	155.5	152.5
82.5°	100.6	112.8	106.7	97.6	94.5
85°	59.5	67.1	57.9	50.3	50.3
87.5°	24.4	25.9	18.3	13.7	12.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)